

PATENT CLAIMS

1. Safety strip (S) as switching strip for a striking edge protection device or closing edge protection device or switch pad with an electrical switching device, wherein the safety strip displays contact elements (3, 4) arranged in holding bodies, which contact elements in the rest position abut each other at contact points (A, B) under the effect of an elastic prestress and, under the effect of an outside force on the insulating wedge element (5) arranged between the holding bodies, can be moved apart so that the contact is interrupted, characterized in that the contact elements (3, 4) are arranged in their holding bodies transversely to the longitudinal extension of the safety strip (S) and via their contact points (A, B) make possible a current flow from one side of one holding body to the other side of the other holding body.
2. Safety strip according to claim 1, characterized in that
 - a) the safety strip (S) is formed as an essentially U-shaped spring bracket,
 - b) the contact elements (3, 4) are arranged transversely to the bracket legs (102, 103) forming the holding bodies and by means of their contact points (A, B) make possible a current flow,
 - c) the insulating wedge element acts on the free ends of the spring bracket (101).
3. Safety strip according to claim 1, characterized in that the holding bodies are formed as contact strips (1, 2).
4. Safety strip according to claim 1, characterized in that the contact strips (1, 2) consist of plastic and are connected to each other in a material-unified manner by means of a hinge strip (16).
5. Safety strip according to one of the claims 1 or 4, characterized in that contact elements (3, 4) are arranged in a spaced-apart manner, viewed over the length of the safety strips.
6. Safety strip according to one or several of the preceding claims, characterized in that the contact elements (3, 4) are connected in series by means of an electrical conductor.
7. Safety strip according to one of the preceding claims 3 or 4, characterized in that the contact strips (1, 2) consist of dimensionally stable material.

8. Safety strip according to one of the preceding claims 3 or 4, characterized in that the contact strips (1, 2) consist of rubber-elastic material.
9. Safety strip according to one of the preceding claims, characterized in that the insulating wedge elements (5) consist of dimensionally stable material.
10. Safety strip according to one or several of the preceding claims, characterized in that the insulating wedge elements (5) are formed as insulating wedge strips.
11. Safety strip according to one or several of the preceding claims 3 through 10, characterized in that the contact strips (1, 2) are placed into a receiving space (10).
12. Safety strip according to claim 11, characterized in that the receiving space (10) is closed off through an outer housing wall (7).
13. Safety strip according to one or several of the preceding claims, characterized in that the housing wall (7) consists of elastic material.
14. Safety strip according to one or several of the preceding claims 1 through 12, characterized in that the housing wall (7) consists of rigid material.
15. Safety strip according to one or several of the preceding claims, characterized in that the receiving space (10) is bounded by elastic wall elements (8, 9).
16. Safety strip according to one or several of the preceding claims, characterized in that the elastic prestress for the holding bodies is applied through elastic tension elements.
17. Safety strip as switching strip for a striking edge protection device or closing edge protection device or switch pad with an electrical switching device, wherein the safety strip displays at least one holding body that carries at least one sensor, that is acted upon by an elastic prestress in the rest state, and that reacts to the action of an outer force on insulating wedge elements arranged between the holding bodies, characterized in that
 - a) the holding body is formed as a contact strip or spring bracket,
 - b) and the sensor or sensors is/are arranged transversely to the longitudinal extension of the safety strip or the spring bracket and actuates/actuate the electrical switching device through the sensor action.